

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 May 2005 (06.05.2005)

PCT

(10) International Publication Number
WO 2005/040205 A1

(51) International Patent Classification⁷: **C07K 14/435**,
16/18, A61K 38/17, A61P 3/10

(21) International Application Number:
PCT/NZ2004/000271

(22) International Filing Date: 28 October 2004 (28.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
529220 28 October 2003 (28.10.2003) NZ

(71) Applicant (for all designated States except US): **PRO-
TEMIX CORPORATION LIMITED** [NZ/NZ]; Level
28, 151 Queen St, Auckland 001 (NZ).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **COOPER, Garth,**
James, Smith [NZ/NZ]; 2 Crummer Rd, Ponsonby, Auck-
land (NZ). **WANG, Yu** [NZ/NZ]; 447A Dominion Road,
Mt Eden, Auckland (NZ). **XU, Aimin** [NZ/NZ]; 447A Do-
minion Rd, Mt Eden, Auckland (NZ).

(74) Agents: **ADAMS, Matthew, D** et al.; A J Park, 6th Floor
Huddart Parker Building, PO Box 949, Wellington 6015
(NZ).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: PEPTIDES WITH ANTI-OBESITY ACTIVITY AND OTHER RELATED USES

(57) Abstract: Novel peptides and uses thereof, including polypeptides and related molecules with uses, for example, in weight loss
and for the treatment of obesity and related conditions associated with, for example, increased mass of adipocytes.

WO 2005/040205 A1